

PRODUCT**FLEXITAR/EP-15**
Coal Tar Epoxy-Polyurethane System**DESCRIPTION**

FLEXITAR/EP-15 is a modified, two packs, coal tar epoxy polyurethane coating primarily designed to waterproof and to protect Portland cement concrete (PCC) from moisture and many corrosive chemicals. It combines the time-tested and proven desirable characteristics of selected coal tar pitch with the outstanding chemical resistance of epoxy resin and the flexibility of polyurethane. The resultant heavy-duty coating is unequalled in versatility.

USES

FLEXITAR/EP-15 provides an excellent membrane for waterproofing concrete structures as bridge decks, water tanks, conditioners,.... vapour barriers for industrial floorings etc.

SPECIFICATION

- Form:	two- component, low viscosity liquids
- Colour:	black
- Mix ratio:	12 parts "A" to 88 parts "B" by weight
- Typical density	1,3 Kg/It
- Solids contents:	98%
- Pot-Life at 23°C:	60 mins.
- Touch dry time:	24 hours
- Full cure:	7 days
- Overcoating:	8-24 hours
- Consumption:	400-500 gr/sq.m per coat
- Number of coats:	2-3
- Minimum hardening temperature:	10°C
- Adhesion to concrete:	> 1,5 MPa
- Storage life:	18 months minimum if stored in the original tightly sealed containers.
- Packaging:	20 Kg, 40 Kg. and 200 Kg. units

CHEMICAL RESISTANCE

FLEXITAR/EP-15 has good chemical resistance to:

- Water and aqueous solutions: tap water, sewage water, sea water and salt solutions.
- Alkalis.
- Acids of low concentration.
- Anti-freeze liquids, oils, greases, gasolines etc.



HOW TO USE

SURFACE PREPARATION

Surfaces must be dry and free of dirt or dust, paint, grease, oil, rust or other contaminants. Grit-blasting is the preferred method of preparation for concrete and metal surfaces.

MIXING

Mix only the amount of material that can be used before expiration of pot life. Stir single parts ("A" and "B") thoroughly measure 12 parts "A" (resin) and 88 parts "B" (hardener) by weight into separate clean containers. Mix thoroughly using a mechanical mixer, such as a low speed electric drill-powered paint mixer until material attains uniform consistency and colour. Carefully scrape the sides and bottom of the tin while mixing.

APPLICATION

FLEXITAR EP/-15 may be applied by brush and roller.

In some cases it is suitable to dilute FLEXITAR/EP-15 with 20% of solvent OMNIA to prime porous surfaces. When solvent, used to dilute FLEXITAR/EP-15, is fully evaporated (within 24 hours) 1-2 subsequent coats of FLEXITAR/EP-15 should be applied with a total consumption of approx. 1 Kg/sq.m.

For waterproofing of bridge decks two subsequent coats of FLEXITAR EP-15 shall be applied with a total consumption of 2 kg/sqm. The last coat of FLEXITAR/EP-15 should be strewn with graded dry sand to protect the membrane from direct sun.

HANDLING AND TOXICITY

"A" and "B" Components for Industrial Use Only!

All information and direction contained in this technical data sheet are given in good faith and are based on the best known practical test.

SINIT, when having no control over transport, storage, handling, use and application of its product, must disclaim all responsibilities for any unsatisfactory results obtained.

All test values at 23° C.

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These data supersede all previously published data.

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